

## EAST Search History

| Ref # | Hits | Search Query                                  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 1    | @pn="5313365"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/01 11:33 |
| S2    | 1    | @pn="6746897"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/28 10:27 |
| S3    | 1419 | 257/693.ccls.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/28 10:27 |
| S4    | 698  | S3 and @ad<"19940318"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/02 11:29 |
| S5    | 75   | S3 and @ad<"19940318" and wire<br>adj bond\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/28 13:08 |
| S6    | 3771 | 257/787.ccls.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/02 11:31 |
| S7    | 368  | 257/787.ccor.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/28 13:09 |
| S8    | 2074 | S6 and @ad<"19940318"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/28 16:07 |

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|     |    |                       |   |    |    |                  |
|-----|----|-----------------------|---|----|----|------------------|
| S9  | 30 | S7 and @ad<"19940318" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:12 |
| S10 | 1  | @pn="5218759"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:13 |
| S11 | 1  | @pn="5147982"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:21 |
| S12 | 1  | @pn="5153385"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:23 |
| S13 | 1  | @pn="4530152"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:25 |
| S14 | 1  | @pn="5258330"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 13:28 |
| S15 | 1  | @pn="4975765"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 14:24 |
| S16 | 1  | @pn="4893172"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 14:54 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S17 | 1    | @pn="4602271"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:07 |
| S18 | 753  | wire adj bond\$3 same (ni nickel)<br>same (gold au) near3 plat\$3                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:07 |
| S19 | 162  | S18 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:08 |
| S20 | 1034 | 438/113.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 11:33 |
| S21 | 187  | S20 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:50 |
| S22 | 6108 | (encapsulate encapsulant) and<br>(separate dic\$3) and ("438"/\$.ccls.<br>"257"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 13:47 |
| S23 | 1262 | S22 and solder adj bump   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 13:47 |
| S24 | 62   | S23 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:32 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S25 | 115 | 438/460.ccls. and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:04 |
| S26 | 172 | 438/461.ccls. and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 14:08 |
| S27 | 11  | 438/110.ccls. and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:05 |
| S28 | 273 | 438/107.ccls. and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:23 |
| S29 | 91  | 438/127.ccls. and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:32 |
| S30 | 33  | cutting near2 encapsulant and "438"/\$.ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:33 |
| S31 | 1   | S30 and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:34 |
| S32 | 697 | (cut\$4 saw\$3 dice separat\$4) near2 (encapsulant seal\$4) and "438"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:47 |

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|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S33 | 78   | S32 and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:49 |
| S34 | 1197 | (cut\$4 saw\$3 dic\$3 break\$3) near2<br>(encapsulant seal\$4) and ("438"/\$.<br>ccls. "257"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:47 |
| S35 | 167  | S34 and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 15:49 |
| S36 | 455  | 257/723.ccor.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 11:28 |
| S37 | 29   | S36 and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 11:31 |
| S38 | 647  | 257/790.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 11:31 |
| S39 | 386  | S38 and @ad<"19940318"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 11:58 |
| S40 | 1308 | 257/e23.125.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:46 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S41 | 344  | S40 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 13:30 |
| S42 | 74   | (singulat\$3) near2 (encapsulant seal\$4) and ("438"/\$.ccls. "257"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:14 |
| S43 | 0    | S42 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:14 |
| S44 | 1202 | (singulat\$3) same (encapsula\$3 seal\$4) and ("438"/\$.ccls. "257"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:14 |
| S45 | 18   | S44 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:46 |
| S46 | 25   | 257/e23.116.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:46 |
| S47 | 17   | S46 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:47 |
| S48 | 0    | S47 and singulat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:47 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S49 | 0    | S47 and dic\$3                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:47 |
| S50 | 1037 | 438/113.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:50 |
| S51 | 187  | S50 and @ad<"19940318"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:54 |
| S52 | 53   | S51 and (encapsula\$3 seal\$3<br>mold\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:54 |
| S53 | 8    | dicing adj encapsulated                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:54 |
| S54 | 0    | S53 and @ad<"19940318"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:55 |
| S55 | 173  | dic\$3 adj encapsulat\$3                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 15:55 |
| S56 | 17   | S55 and @ad<"19940318"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:13 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S57 | 0    | "E23.""065".ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:12 |
| S58 | 1117 | 257/E23.065.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:12 |
| S59 | 429  | 257/E23.177.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:12 |
| S60 | 241  | S58 and @ad<"19940318"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:13 |
| S61 | 17   | S60 and (seal encapsulat\$3 mold)<br>and (singulat\$3 dic\$3 unitary) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 16:14 |